State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER D-269-37

Relating to Exemptions Under Section 27156
of the California Vehicle Code

K&N Engineering
Fuel Injection Performance Kits, 77 Series, and Typhoon Intake Systems

Pursuant to the authority vested in the Air Resources Board by Section 27156 of the Vehicle Code; and

Pursuant to the authority vested in the undersigned by Section 39515 and Section 39516 of the Health and Safety Code and Executive Order G-02-003;

IT IS ORDERED AND RESOLVED: That the installation of the Fuel Injection Performance Kits, 77 Series, and Typhoon Intake Systems, produced and marketed by K&N Engineering of 1455 Citrus Ave., Riverside, California 92507, has been found not to reduce the effectiveness of the applicable vehicle pollution control systems and, therefore, is exempt from the prohibitions of Section 27156 of the Vehicle Code for the vehicles listed in the attached Exhibit A.

The Fuel Injection Performance Kits, 77 Series, and Typhoon Intake Systems include the following main components: open-element reusable air filter, intake system tubing, assorted brackets, and hardware.

This Executive Order is valid provided that the installation instructions for the Fuel Injection Performance Kits, 77 Series, and Typhoon Intake Systems will not recommend tuning the vehicle to specifications different from those of the vehicle manufacturer.

Changes made to the design or operating conditions of the Fuel Injection Performance Kit, 77 Series, and Typhoon Intake Systems, as exempt by the Air Resources Board, which adversely affect the performance of the vehicle's pollution control system shall invalidate this Executive Order.

This Executive Order shall not apply to any Fuel Injection Performance Kit, 77 Series, or Typhoon Intake System advertised, offered for sale, sold with, or installed on a new motor vehicle prior to or concurrent with transfer to an ultimate purchaser.

Marketing of the Fuel Injection Performance Kits, 77 Series, and Typhoon Intake Systems using any identification other than that shown in this Executive Order or marketing of the Fuel Injection Performance Kits, 77 Series, and Typhoon Intake Systems for an application other than those listed in this Executive Order shall be prohibited unless prior approval is obtained from the Air Resources Board.

This Executive Order does not constitute any opinion as to the effect the use of the Fuel Injection Performance Kits, 77 Series, and Typhoon Intake Systems may have on any warranty either expressed or implied by the vehicle manufacturer.

This Executive Order is granted based on emission test results in the modified configuration using the Cold-Start CVS-75 Federal Test Procedure, Supplemental Federal Test Procedure (US06), and an examination of the On-Board Diagnostic II (OBD II) systems. A 2009 Dodge Charger with a 5.7 liter engine (9CRXV05.7UP0, LEV-II ULEV) and 2009 Honda Accord with a 3.5 liter V6 engine (9HNXV03.5EC3, PZEV LEV-II SULEV) were used for the evaluation of the Fuel Injection Performance Kits, 77 Series, and Typhoon Intake Systems. Results from emissions testing conducted at The Automobile Club of Southern California, are shown below (in grams per mile):

2009 Honda Accord 3.5 liter V6

FTP	150k	NMOG	CO	NOx	HCHO
	Emission Level (DF applied)	0.009	0.120	0.013	0.0004
	STD	0.010	1.0	0.02	0.004

2009 Dodge Charger with a 5.7 liter

US06		NMHC + NOx	CO
	Emission Level	0.053	0.85
	STD	0.14	8.0

The emission test results in the modified configuration were below the applicable certification standards. Examination of the OBD II system showed the Fuel Injection Performance Kits, 77 Series, and Typhoon Intake Systems do not affect OBD II operation. Therefore, based on the test results, the staff concludes that the Fuel Injection Performance Kits, 77 Series, and Typhoon Intake Systems meet the criteria for exempting general criteria parts.

The ARB reserves the right in the future to review this Executive Order and the exemption provided herein to assure that the exempted add-on or modified part continues to meet the standards and procedures of Title 13, California Code of Regulations, Section 2222, et seq. Further, if test results or other evidence provides the ARB with reason to suspect that the Fuel Injection Performance Kits, 77 Series, and Typhoon Intake Systems will affect the durability of emission control systems, K&N Engineering shall be required to submit durability data to show that the durability of vehicle emission control systems are not, in fact, affected and/or that the add-on or modified part demonstrates adequate durability.

THIS EXECUTIVE ORDER DOES NOT CONSTITUTE A CERTIFICATION, ACCREDITATION, APPROVAL, OR ANY OTHER TYPE OF ENDORSEMENT BY THE AIR RESOURCES BOARD OF ANY CLAIMS OF THE APPLICANT CONCERNING ANTI-POLLUTION BENEFITS OR ANY ALLEGED BENEFITS OF THE K&N ENGINEERING FUEL INJECTION PERFORMANCE KITS AND 77 SERIES INTAKE SYSTEMS.

No claim of any kind, such as "Approved by the Air Resources Board", may be made with respect to the action taken herein in any advertising or other oral or written communication.

Violation of any of the above conditions shall be grounds for revocation of this order. The order may be revoked only after a ten-day written notice of intention to revoke the order, in which period the holder of the order may request in writing a hearing to contest the proposed revocation. If a hearing is requested, it shall be held within ten days of receipt of the request and the order may not be revoked until a determination is made after the hearing that grounds for revocation exist.

Executed at El Monte, California, this 5 day of July 2011.

Annette Hebert, Chief
Mobile Source Operations Division

Year	MFR	Make	Model	Engine	1st P/N	2nd P/N
2007-08	Honda	Acura	RDX	L4-2.3L Turbo	69-0017	N/A
2004-08	Honda	Acura	TL	V6-3.2L	69-0021	N/A
2004-08	Honda	Acura	TSX	L4-2.4L	69-0025	N/A
2006-10	Honda	Honda	Civic	L4-1.8L	69-1013	N/A
2006-10	Honda	Honda	Civic Si	L4-2.0L	69-1014	N/A
2007-08	Honda	Honda	Fit	L4-1.5L	69-1016-1	N/A
2003-06	Honda	Honda	Accord, excluding Accord SULEV LEV2 2003-2006 engine families 3HNXV02.4KCP, 4HNXV02.4KCV, 5HNXV02.4ECV, and 6HNXV02.4CMC	L4-2.4L excluding LEV2 SULEV	69-1206	N/A
2003-07	Honda	Honda	Accord	V6-3.0L	69-1207	N/A
2004-07	Honda	Honda	Accord	L4-2.4L	69-1209	N/A
2008-10	Honda	Honda	Accord	V6-3.5L	69-1210	N/A
2010	Honda	Honda	Accord Crosstour	V6-3.5L	69-1210	N/A
2003-08	Chrysler	Dodge	Ram Pickup	V8-5.7L HEMI	57-1533	77-1533
2002-10	Chrysler	Dodge	Ram Pickup	V6-3.7L	57-1537	N/A
2004-09	Chrysler	Dodge	Durango	V8-4.7L	57-1538	77-1538
2004-08	Chrysler	Dodge	Durango	V8-5.7L Hemi	57-1539	77-1539
2007	Chrysler	Chrysler	Aspen	V8-5.7L Hemi	57-1539	77-1539
2009-10	Chrysler	Dodge	Challenger R/T	V8-5.7L HEMI	57-1542	69-2526
2008-10	Chrysler	Dodge	Challenger SRT8	V8-6.1L HEMI	57-1542	69-2526
2005-08	Chrysler	Dodge	Magnum R/T	V8-5.7L HEMI	57-1542	69-2526
2006-08	Chrysler	Dodge	Magnum SRT8	V8-6.1L HEMI	57-1542	69-2526
2006-10	Chrysler	Dodge	Charger R/T	V8-5.7L HEMI	57-1542	69-2526
2006-10	Chrysler	Dodge	Charger Daytona R/T	V8-5.7L HEMI	57-1542	69-2526
2006-10	Chrysler	Dodge	Charger SRT8	V8-6.1L HEMI	57-1542	69-2526
2005-10	Chrysler	Chrysler	300C	V8-5.7L HEMI	57-1542	69-2526
2005-10	Chrysler	Chrysler	300C SRT8	V8-6.1L HEMI	57-1542	69-2526
2009-10	Chrysler	Dodge	Challenger SE	V6-3.5L	57-1543	N/A
2005-08	Chrysler	Dodge	Magnum SXT	V6-3.5L	57-1543	N/A
2006-10	Chrysler	Dodge	Charger SE, Charger SXT	V6-3.5L	57-1543	N/A
2005-10	Chrysler	Chrysler	300 Touring, 300 Limited	V6-3.5L	57-1543	N/A
2005-08	Chrysler	Dodge	Magnum SE	V6-2.7L	57-1544	N/A
2006-10	Chrysler	Dodge	Charger SE	V6-2.7L	57-1544	N/A
2005-10	Chrysler	Chrysler	300	V6-2.7L	57-1544	N/A
2005-10	Chrysler	Jeep	Grand Cherokee	V6-3.7L	57-1545	77-1545
2006-10	Chrysler	Jeep	Commander	V6-3.7L	57-1545	77-1545
2005-10	Chrysler	Dodge	Dakota	V8-4.7L	57-1546	77-1546
2006-07	Mitsubishi	Mitsubishi	Raider	V8-4.7L	57-1546	77-1546
2005-09	Chrysler	Jeep	Grand Cherokee	V8-4.7L	57-1548	77-1548
2006-09	Chrysler	Jeep	Commander	V8-4.7L	57-1548	77-1548
2006-10	Chrysler	Chrysler	PT Cruiser	L4-2.4L	57-1550	N/A
2006-08	Chrysler	Chrysler	PT Cruiser	L4-2.4L Turbo	57-1551	N/A
2007-10	Chrysler	Dodge	Caliber	L4-1.8L, 2.0L, 2.4L	57-1552	N/A
2007-10	Chrysler	Jeep	Compass	L4-2.4L	57-1552	N/A
2007-10	Chrysler	Jeep	Patriot	L4-2.0L, 2.4L	57-1552	N/A
2007-10	Chrysler	Jeep	Wrangler	V6-3.8L	57-1553	77-1553
2007-08	Chrysler	Dodge	Nitro	V6-3.7L	57-1554	77-1554
2006-10	Chrysler	Jeep	Grand Cherokee SRT8	V8-6.1L	57-1555	N/A
2007-10	Chrysler	Dodge	Nitro	V6-4.0L	57-1556	N/A

Year	MFR	Make	Model	Engine	1st P/N	2nd P/N
2007-08	Chrysler	Dodge	Dakota	V6-3.7L	57-1558	77-1558
2007-08	Mitsubishi	Mitsubishi	Raider	V6-3.7L	57-1558	77-1558
2008-09	Chrysler	Jeep	Liberty	V6-3.7L	57-1559	77-1559
2008-09	Chrysler	Dodge	Caliber SRT4	L4-2.4L Turbo	57-1560	N/A
2007-09	BMW	Mini	Cooper S	L4-1.6L	69-2004	N/A
2002-06	BMW	Mini	Cooper	L4-1.6L	69-2020	N/A
2004	Ford	Ford	F-150 Heritage	V8-4.6L, 5.4L	57-2541	77-2514
1997-03	Ford	Ford	F-150	V8-4.6L, 5.4L	57-2541	77-2514
1997-04	Ford	Ford	Expedition	V8-4.6L, 5.4L	57-2541	77-2514
1998-99	Ford	Lincoln	Navigator	V8-5.4L SOHC	57-2541	77-2514
2003-08	Chrysler	Chrysler	PT Cruiser	L4-2.4L Turbo	69-2541	N/A
2008-10	Chrysler	Dodge	Avenger	V6-3.5L	69-2543	N/A
2004-08	Ford	Ford	F-150	V8-5.4L	57-2556	77-2556
2005	Ford	Ford	Expedition	V8-5.4L	57-2556	77-2556
2006-08	Ford	Lincoln	Mark LT	V8-5.4L	57-2556	77-2556
2004-08	Ford	Ford	Ranger	V6-3.0L	57-2560	N/A
2004-08	Mazda	Mazda	B3000	V6-3.0L	57-2560	N/A
2005-09	Ford	Ford	Mustang	V6-4.0L	57-2566	69-3522
1997-08	Ford	Ford	E-Series Super Duty	V10-6.8L	77-2570	N/A
2007-09	Ford	Ford	Mustang Shelby GT500	V8-5.4L S/C	57-2571	N/A
2006-08	Ford	Ford	Explorer	V8-4.6L	57-2573	77-2573
2007-08	Ford	Ford	F-150	V8-4.6L	57-2574	N/A
2007-10	Ford	Ford	Edge	V6-3.5L	77-2574	N/A
2009-10	Ford	Ford	F-150	V8-5.4L	57-2575	N/A
2007-10	Ford	Ford	Expedition	V8-5.4L	57-2575	N/A
2007-10	Ford	Lincoln	Navigator	V8-5.4L	57-2575	N/A
2007	GM	Chevrolet	Silverado Classic 1500HD	V8-6.0L	57-3023-1	77-3023
2005-2006	GM	Chevrolet	Silverado 1500HD	V8-6.0L	57-3023-1	77-3023
2001-2003	GM	Chevrolet	Silverado 1500HD	V8-6.0L	57-3023-1	77-3023
1999-2004	GM	Chevrolet	Silverado 2500	V8-6.0L	57-3023-1	77-3023
1999-2000	GM	Chevrolet	Silverado 2500	V8-5.3L	57-3023-1	77-3023
2007	GM	Chevrolet	Silverado Classic SS	V8-6.0L	57-3023-1	77-3023
2003-2004	GM	Chevrolet	Silverado SS	V8-6.0L	57-3023-1	77-3023
2000-2004	GM	Chevrolet	Tahoe	V8-4.8L, 5.3L	57-3023-1	77-3023
2005-2006	GM	Chevrolet	Suburban	V8-6.0L	57-3023-1	77-3023
2000-2004	GM	Chevrolet	Suburban	V8-5.3L, 6.0L	57-3023-1	77-3023
2002-2004	GM	Chevrolet	Avalanche	V8-5.3L	N/A	77-3023
2007	GM	GMC	Sierra Classic 1500HD	V8-6.0L	57-3023-1	77-3023
2005-2006	GM	GMC	Sierra 1500HD	V8-6.0L	57-3023-1	77-3023
2001-2003	GM	GMC	Sierra 1500HD	V8-6.0L	57-3023-1	77-3023
1999-2004	GM	GMC	Sierra 2500	V8-6.0L	57-3023-1	77-3023
1999-2000	GM	GMC	Sierra 2500	V8-5.3L	57-3023-1	77-3023
2007	GM	GMC	Sierra Classic Denali	V8-6.0L	57-3023-1	77-3023
2002-2004	GM	GMC	Sierra Denali	V8-6.0L	57-3023-1	77-3023
2001	GM	GMC	Sierra C3	V8-6.0L	57-3023-1	77-3023
2000-2004	GM	GMC	Yukon	V8-4.8L, 5.3L	57-3023-1	77-3023
2005-2006	GM	GMC	Yukon XL	V8-6.0L	57-3023-1	77-3023
2000-2004	GM	GMC	Yukon XL	V8-5.3L, 6.0L	57-3023-1	77-3023
2001-2004	GM	GMC	Yukon Denali	V8-6.0L	57-3023-1	77-3023
2001-2004	GM	GMC	Yukon XL Denali	V8-6.0L	57-3023-1	77-3023
2000-2004	GM	Cadillac	Escalade	V8-5.3L, 6.0L	57-3023-1	77-3023

Year	MFR	Make	Model	Engine	1st P/N	2nd P/N
2002-2004	GM	Cadillac	Escalade EXT	V8-6.0L	57-3023-1	77-3023
2003-2004	GM	Cadillac	Escalade ESV	V8-6.0L	57-3023-1	77-3023
2007	GM	Chevrolet	Silverado 2500HD Classic, 3500 Classic	V8-8.1L	57-3030-1	N/A
2001-06	GM	Chevrolet	Silverado 2500HD, 3500	V8-8.1L	57-3030-1	N/A
2007	GM	GMC	Sierra 2500HD Classic, 3500 Classic	V8-8.1L	57-3030-1	N/A
2001-06	GM	GMC	Sierra 2500HD, 3500	V8-8.1L	57-3030-1	N/A
2007	GM	Chevrolet	Silverado 2500HD Classic, 3500 Classic	V8-6.0L	57-3031-1	77-3031
2001-06	GM	Chevrolet	Silverado 2500HD, 3500	V8-6.0L	57-3031-1	77-3031
2007	GM	GMC	Sierra 2500HD Classic, 3500 Classic	V8-6.0L	57-3031-1	77-3031
2001-06	GM	GMC	Sierra 2500HD, 3500	V8-6.0L	57-3031-1	77-3031
2004-06	GM	Pontiac	Grand Prix	V6-3.8L	57-3049	N/A
2004-06	GM	Pontiac	Grand Prix	V6-3.8L S/C	57-3049	N/A
2006-10	GM	Chevrolet	HHR	L4-2.4L	57-3056	N/A
2010	GM	Chevrolet	HHR	L4-2.2L	57-3056	N/A
2007-08	GM	Chevrolet	Silverado	V8-4.8L, 5.3L, 6.0L	57-3058	77-3058
2007-08	GM	Chevrolet	Tahoe	V8-4.8L, 5.3L	57-3058	77-3058
2007-08	GM	Chevrolet	Suburban	V8-5.3L, 6.0L	57-3058	77-3058
2007-08	GM	Chevrolet	Avalanche	V8-5.3L, 6.0L	57-3058	77-3058
2007-08	GM	GMC	Sierra	V8-4.8L, 5.3L, 6.0L	57-3058	77-3058
2007-08	GM	GMC	Sierra Denali	V8-6.2L	57-3058	77-3058
2007-08	GM	GMC	Yukon	V8-4.8L, 5.3L	57-3058	77-3058
2007-08	GM	GMC	Yukon XL	V8-5.3L, 6.0L	57-3058	77-3058
2007-08	GM	GMC	Yukon Denali	V8-6.2L	57-3058	77-3058
2007-08	GM	GMC	Yukon XL Denail	V8-6.2L	57-3058	77-3058
2007-08	GM	Cadillac	Escalade	V8-6.2L	57-3058	77-3058
2007-08	GM	Cadillac	Escalade ESV	V8-6.2L	57-3058	77-3058
2007-08	GM	Cadillac	Escalade EXT	V8-6.2L	57-3058	77-3058
2006-08	GM	Chevrolet	Trailblazer SS	V8-6.0L	57-3061	N/A
2007-08	GM	Chevrolet	Silverado 2500HD, 3500HD	V8-6.0L	57-3067	N/A
2007-08	GM	GMC	Sierra 2500HD, 3500HD	V8-6.0L	57-3067	N/A
2007-09	Ford	Ford	Focus, excluding lev2 SULEV 2007-09 test groups 7FMXV02.0VZP, 8FMXV02.0VZP, 9FMXV02.0VZP, 9FMXV02.0VZX	L4-2.0L excluding lev2 SULEV	69-3513	N/A
2006-09	Ford	Ford	Fusion, excluding lev2 SULEV 2006-09 test groups 6FMXV02.31ZA, 7FMXV02.3VZT, 8FMXV02.3VZT, 9FMXV02.3VZT	L4-2.3L excluding lev2 SULEV	69-3514	N/A
2006-09	Ford	Ford	Fusion	V6-3.0L	69-3515	N/A
2006-08	Honda	Honda	Ridgeline	V6-3.5L	57-3515	77-3515
2000-05	GM	Chevrolet	Cavalier	L4-2.2L	69-4510	N/A
2002-04	GM	Pontiac	Sunfire	L4-2.2L	69-4510	N/A
2005-06	GM	Chevrolet	Cobalt	L4-2.2L	69-4515	N/A
2006-07	GM	Chevrolet	Cobalt SS	L4-2.4L	69-4517	N/A
1999-2005	Mazda	Mazda	Miata	L4-1.8L	69-6000	N/A
2004	Mazda	Mazda	MAZDA3	L4-2.3L	69-6010	N/A
2006-08	Mazda	Mazda	MAZDA5	L4-2.3L	69-6010	N/A
2007-09	Mazda	Mazda	MAZDASPEED3	L4-2.3L Turbo	69-6011	N/A
2004-10	Nissan	Nissan	Titan	V8-5.6L	57-6012	77-6012
2004-10	Nissan	Nissan	Armada	V8-5.6L	57-6012	77-6012

Year	MFR	Make	Model	Engine	1st P/N	2nd P/N
2004-10	Nissan	Infiniti	QX56	V8-5.6L	57-6012	77-6012
2004-08	Nissan	Nissan	Maxima	V6-3.5L	57-6015	N/A
2004-06	Nissan	Nissan	Altima	V6-3.5L	57-6015	N/A
2008	Nissan	Nissan	Pathfinder	V8-5.6L	57-6016	77-6016
2003-06	Mazda	Mazda	MAZDA6, excluding lev2 SULEV 2005 & 06 test groups 5TKXV02.3NG1 & 6TKXV02.3NG2	L4-2.3L excluding lev2 SULEV	69-6025	N/A
2003-07	Mazda	Mazda	MAZDA6	V6-3.0L	69-6026	N/A
2007-08	Mazda	Mazda	MAZDA6, excluding lev2 SULEV 2007 & 2008 test groups 7TKXV02.3NH1 & 8TKXV02.3NH2	L4-2.3L	69-6027	N/A
2003-09	Mazda	Mazda	RX-8	2R-1.3L	69-6030-1	N/A
2008-09	Mitsubishi	Mitsubishi	Lancer	L4-2.0L, 2.4L	69-6544	N/A
2006	Mitsubishi	Mitsubishi	Lancer EVO IX	L4-2.0L Turbo	69-6545	N/A
2002-06	Nissan	Nissan	Sentra SE-R, SE-R Spec V	L4-2.5L	69-7000	N/A
2007	Porsche	Porsche	911 GT3	H6-3.6L	57-7001	N/A
2007-10	Nissan	Nissan	Sentra SE-R Spec V	L4-2.5L	69-7001	N/A
2007-10	Nissan	Nissan	Altima	L4-2.5L	69-7061	N/A
2007-10	Nissan	Nissan	Altima	V6-3.5L	69-7062	N/A
2007-08	Nissan	Nissan	350Z	V6-3.5L	69-7071	N/A
2003-06	Nissan	Infiniti	G35 Sedan	V6-3.5L	69-7081-1	N/A
2007-08	Nissan	Infiniti	G35 Sedan	V6-3.5L	69-7082	N/A
2005-07	GM	Pontiac	G6	V6-3.5L, 3.9L	69-7202	N/A
2004-07	Subaru	Subaru	Impreza WRX Sti	H4-2.5L Turbo	69-8001	N/A
2006-07	Subaru	Subaru	Impreza WRX	H4-2.5L Turbo	69-8001	N/A
2002-05	Subaru	Subaru	Impreza WRX	H4-2.0L Turbo	69-8001	N/A
2005-08	Subaru	Subaru	Legacy GT	H4-2.5L Turbo	69-8003	N/A
2008-10	Subaru	Subaru	Impreza WRX	H4-2.5L Turbo	69-8004	N/A
2008-10	Subaru	Subaru	Impreza WRX Sti	H4-2.5L Turbo	69-8005	N/A
2006-08	GM	Pontiac	Solstice	L4-2.4L	69-8432	N/A
2007-08	GM	Saturn	Sky	L4-2.4L	69-8432	N/A
2002-03	Toyota	Toyota	Camry	L4-2.4L	69-8609	
2002-03	Toyota	Toyota	Solara	L4-2.4L	69-8609	
2006-07	Audi	Audi	A3	L4-2.0L Turbo	69-9503	N/A
2006-08	VW	VW	Golf, GTI	L4-2.0L Turbo	69-9503	N/A
2006-07	VW	VW	Jetta, GLI	L4-2.0L Turbo	69-9503	N/A

EVALUATION SUMMARY

Manufacturer Name: K&N Engineering

Name of Device: Fuel Injection Performance Kits, 77 Series, and Typhoon Intake Systems

Background:

K&N Engineering of 1455 Citrus Ave., Riverside, California 92507, has applied for an exemption from the prohibitions in Section 27156 of the California Vehicle Code (VC) for the Fuel Injection Performance Kits, 77 Series, and Typhoon Intake Systems designed for the vehicles listed in the attached Exhibit A.

Recommendation:

Grant exemption to K&N Engineering as requested, and issue Executive Order D-269-37.

Device Description:

The Fuel Injection Performance Kits, 77 Series, and Typhoon Intake Systems are air intake systems specifically designed for installation on the vehicles listed in the attached Executive Order. The installation of the system does not require any major modifications to the stock motor, except for the modification of the factory air intake system to accommodate the Fuel Injection Performance Kit, 77 Series, or Typhoon Intake System air filter and plumbing. The filter elements used in the Fuel Injection Performance Kits, 77 Series, and Typhoon Intake Systems are open-element, reusable units, designed to be less restrictive than the stock air filter.

The Fuel Injection Performance Kits, 77 Series, and Typhoon Intake Systems are intended to increase the vehicle's volumetric efficiency and power output at particular engine loads and throttle openings. At heavy engine loads and increased throttle openings, the airflow into the engine is increased because the Fuel Injection Performance Kits, 77 Series, and Typhoon Intake Systems are less restrictive than stock air filters. This allows more air to enter the engine, which is compensated by the vehicle engine control module with an increase in fuel flow, resulting in a higher power output.

Discussion/Basis for the Recommendation:

This Executive Order is granted based on emission test results in the modified configuration using the Cold-Start CVS-75 Federal Test Procedure, Supplemental Federal Test Procedure (US06), and an examination of the On-Board Diagnostic II (OBD II) systems. A 2009 Dodge Charger with a 5.7 liter engine (9CRXV05.7UP0, LEV-II ULEV) and 2009 Honda Accord with a 3.5 liter V6 engine (9HNXV03.5EC3, PZEV LEV-II SULEV) were used for the evaluation of the Fuel Injection Performance Kits, 77 Series, and Typhoon Intake Systems. Results from emissions testing conducted at The Automobile Club of Southern California, are shown below (in grams per mile):

2009 Honda Accord 3.5 liter V6

FTP	150k	NMOG	CO	NOx	HCHO
	Emission Level (DF applied)	0.009	0.120	0.013	0.0004
	STD	0.010	1.0	0.02	0.004

2009 Dodge Charger with a 5.7 liter

US06		NMHC + NOx	CO
	Emission Level	0.053	0.85
	STD	0.14	8.0

The emission test results in the modified configuration were below the applicable certification standards. All OBD II system readiness indicators set in the modified configuration, and no diagnostic trouble codes were triggered. Therefore, based on the test results, the staff concludes that the Fuel Injection Performance Kits, 77 Series, and Typhoon Intake Systems meet the requirements for a VC 27156 exemption for the vehicles listed in attached Exhibit A.